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SHOE WITH UPPER AND HEEL DEVELOPED VENTILATION

CLAIMS

1. Shoe with developed ventilation ,to avoid user's feet sweat ,with changeable inner air flow,characterized in that includes an outersole of different materials,as rubber, leather, plastic,etc,glued to a reinforced innersole with metallic or plastic sheet; a foamed oversole with interconnected open chambers ,porous cushioned ,memory retentent,is overlying said reinforced innersole ,with one or more empty hollows ,connected with one or more channels. The rear heel portion includes the outer upper glued to the counterfort as reinforced support;said counterfort is glued to a first inner lining; between said first inner lining and a second lining ,more interior, the ending portion of said foamed oversole is fitted , turned up and with an inner protrusion called "bellows",working as an additional air pump to air ventilation pumping effect of said hollows under said foamed oversole .In the rear portion of the shoe ,said outer upper,said counterfort and said inners linings are turned under the wooden last and afterwards glued or sewed to the outersole.The second more interior lining has an opening in the middle for channel seat ,connecting said hollows under said oversole to said rear heel pump or "bellows" ,in addition said lining has two side blades to be turned and glued to said outersole.When walking,ventilation air is drawn into and expelled from one or more holes fitted in the heel portion, which can be partially or totally clogged by vertical or horizontal straps with buttons or plugs.

To get a more homogeneous air ventilation said shoe is characterized in that in combination ,in the sidewalls ,higher upper portions surmount the lower ones with some protrusions ,shielding some air intakes fitted in said lower upper portions:said protrusions are sewed on two or three sides ,to leave open one or two sides, down turned, as waterproof air conduits.

2.A shoe as set forth in claim 1 wherein higher upper portions surmount lower ones with straight outlines : corresponding to intakes fitted in said lower portions ,said higher portions are sewed with sewing lines with suitable recesses to leave some free and wavy intervals as air waterproof conduits.

3.A shoe as set forth in claims 1 and 2 characterized in that said heel pump is separated from said oversole.

4.A shoe as set forth in claims 1 –2 –3 –wherein said heel pump has some internal partitions.

5.A shoe as set forth in claims 1-2-3-4-characterized in that an antibacterial innersole is overlying said outersole.

6.A shoe as set forth in claims 1-2-3-4-5- characterized in that heel intakes are clogged by straps with hook and loop fasteners.